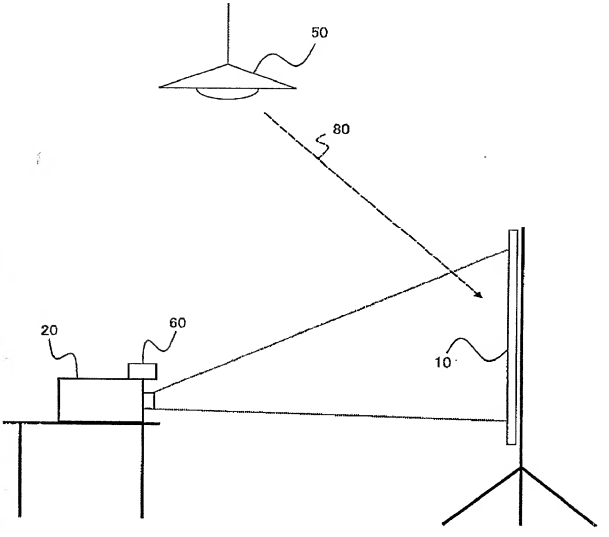

FIGURE 1

100 : IMAGE PROCESSOR IN PROJECTOR
Image Input Signal
110
A/D CONVERTER
120
COLOR CORRECTOR (1D-LUT)
130
D/A CONVERTER
140
L/V DRIVE UNIT
150
COLOR CORRECTION TABLE GENERATOR
160
DEVICE CHARACTERISTIC STORAGE MEMORY
170
OPTICAL SENSOR

FIGURE 2

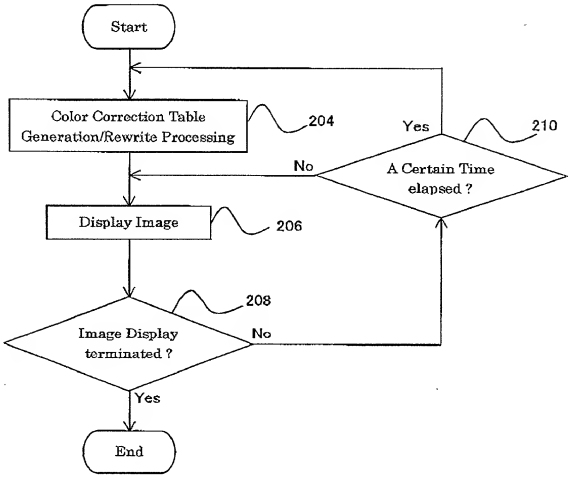
Start
Color Correction Table Generation/Rewrite Processing
204
Yes
210
No
A Certain Time elapsed ?
Display Image
206
208
Image Display terminated ?
No
Yes
End

FIGURE 3

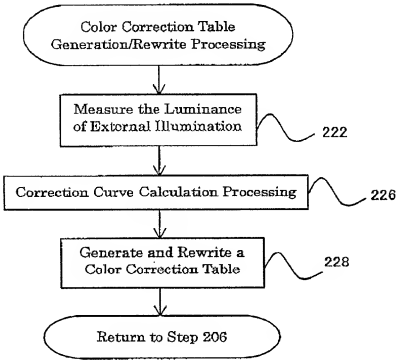

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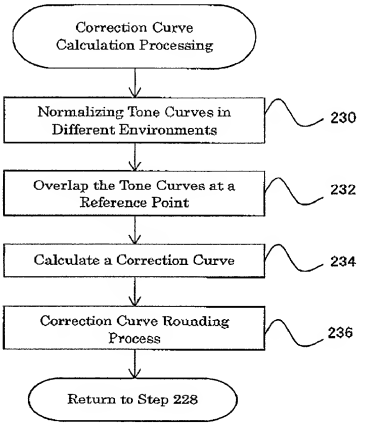
FIGURE 4



3120 "66666

FIGURE 5

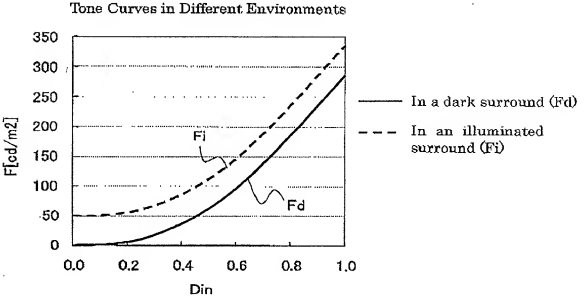
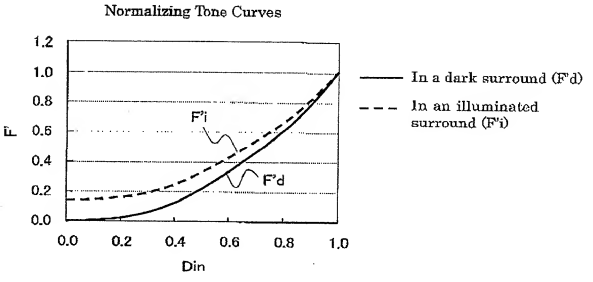
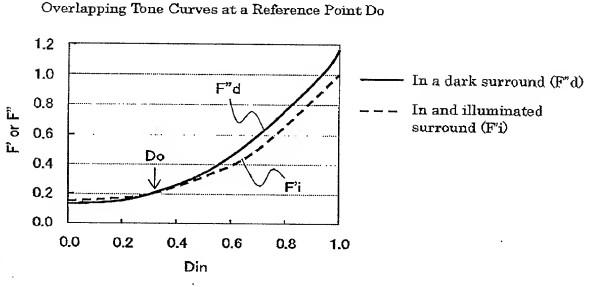

Tone Curves in Different Environments
350
300
250
200
150
100
50
0
F[cd/m2]
Fi
Fd
0.0
0.2
0.4
0.6
0.8
1.0
Din
In a dark surround (Fd)
In an illuminated surround (Fi)

FIGURE 6



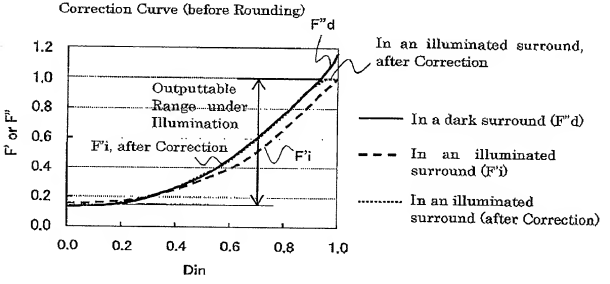
20220606

FIGURE 7



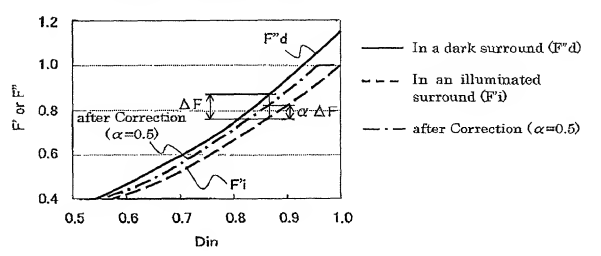
30250-664650

FIGURE 8



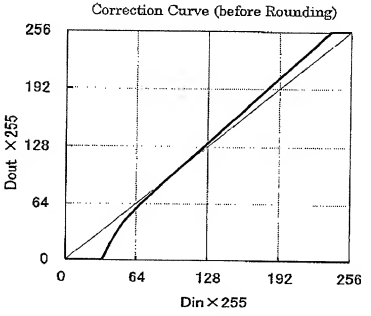
20020-660060

FIGURE 9



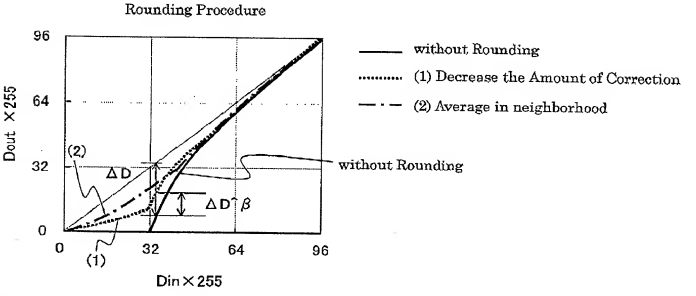
20020065660

FIGURE 10



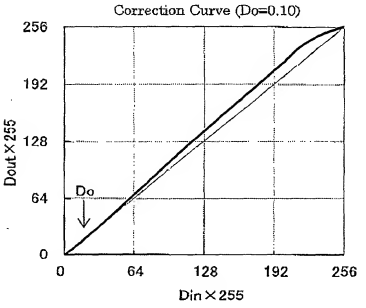
20220616080

FIGURE 11



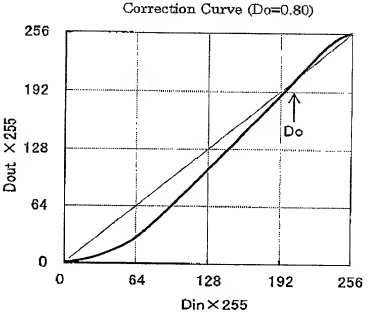
20020066660

FIGURE 12



20020065660

FIGURE 13



PTO/SB/21 (08-00)

FIGURE 14

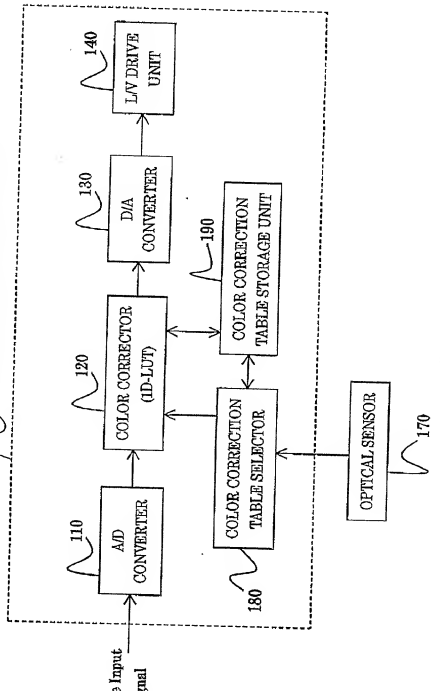

100 : IMAGE PROCESSOR IN PROJECTOR
Image Input Signal
110
A/D CONVERTER
120
COLOR CORRECTOR (1D-LUT)
130
D/A CONVERTER
140
L/V DRIVE UNIT
180
COLOR CORRECTION TABLE SELECTOR
190
COLOR CORRECTION TABLE STORAGE UNIT
OPTICAL SENSOR
170

FIGURE 15

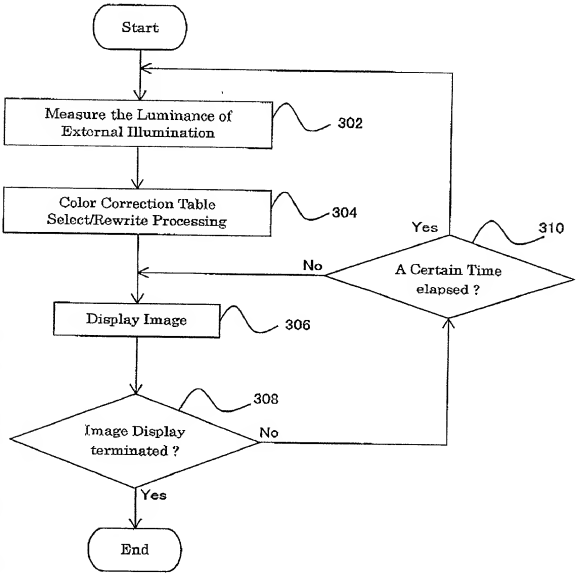

Start
Measure the Luminance of External Illumination
302
Color Correction Table Select/Rewrite Processing
304
Yes
310
No
A Certain Time elapsed ?
Display Image
306
308
Image Display terminated ?
No
Yes
End

FIGURE 16

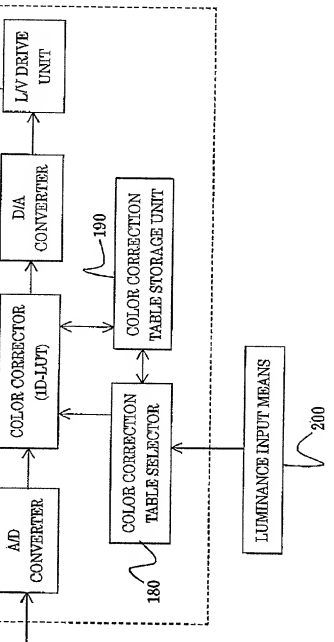

100 : IMAGE PROCESSOR IN PROJECTOR
Image Input Signal
110
A/D CONVERTER
120
COLOR CORRECTOR (1D-LUT)
130
D/A CONVERTER
140
L/V DRIVE UNIT
180
COLOR CORRECTION TABLE SELECTOR
190
COLOR CORRECTION TABLE STORAGE UNIT
LUMINANCE INPUT MEANS
200

FIGURE 17

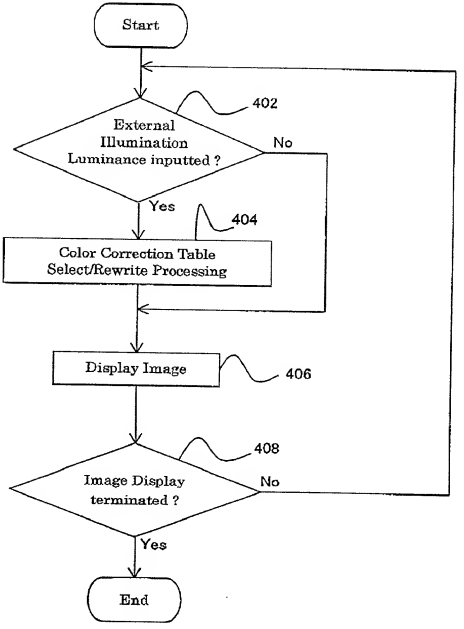

Start
402
External Illumination Luminance inputted ?
No
Yes
404
Color Correction Table Select/Rewrite Processing
Display Image
406
408
Image Display terminated ?
No
Yes
End

FIGURE 18